

Motor Vehicle Collisions in Work Zones

Table 44 shows the collisions that took place in work zones for 2000 through 2004.

Table 44 Collisions in Work Zones: 2000-2004							
	2000	2001	2002	2003	2004	Change 2003-2004	Avg. Change 2000-2003
Work Zone Collisions	309	256	266	357	265	-25.8%	7.0%
Fatalities	8	6	2	2	8	300.0%	-30.6%
Serious Injuries	25	20	27	21	23	9.5%	-2.4%
Visible Injuries	65	49	49	54	42	-22.2%	-4.8%
Possible Injuries	89	120	70	132	85	-35.6%	27.2%
% All Collisions	1.2%	1.0%	1.0%	1.3%	0.9%	-30.0%	5.7%
Workers Injured	1	9	4	0	1	100.0%	214.8%

Prior to 2001, most of the crashes that have taken place in work zones have not involved workers in the construction zone. The 9 worker injuries, 2 of which were fatal injuries, in 2001, resulted from a single collision on I-15. The 4 workers injured in 2003 resulted from 3 separate collisions; 2 sustained serious injuries and 2 sustained visible injuries. There was 1 worker injured while moving cones in 2004. Workers on the roadway are especially vulnerable since their attention is focused on the task at hand rather than on the traffic passing by.

Single vehicle collisions comprised 25% of the collisions in work zones in 2004, and 1 of the fatal collisions was a single vehicle collision. While overturn was the predominant most harmful event in single vehicle collisions in work zones, rear end was the predominant most harmful event for multiple vehicle collisions in work zones.

Table 45 shows work zone collisions by road type.

Table 45 Work Zone Collisions by Roadway Type: 2004								
	Fatal		Injury		Property Damage		All Collisions	
Interstate								
Rural	4	0.0%	9	8.9%	12	7.5%	25	9.4%
Urban	1	0.0%	32	31.7%	58	36.5%	91	34.3%
U.S. or State Highway								
Rural	0	0.0%	27	26.7%	22	13.8%	49	18.5%
Urban	0	0.0%	15	14.9%	31	19.5%	46	17.4%
Local								
Rural	0	0.0%	3	3.0%	4	2.5%	7	2.6%
Urban	0	0.0%	15	14.9%	32	20.1%	47	17.7%
Total	5	1.9%	101	38.1%	159	60.0%	265	

Table 46 shows the severity of crashes by transportation district. Transportation district boundaries can be found in Appendix A.

Table 46 Collisions in Work Zones by Transportation District: 2004				
	Fatal Collisions	Injury Collisions	Property Damage Collisions	Total Collisions
District 1	0	12	12	24
District 2	0	6	11	17
District 3	3	64	109	176
District 4	1	6	14	21
District 5	1	5	7	13
District 6	0	8	6	14
Statewide	5	101	159	265

In 2004, the economic cost of collisions in work zones was \$35.0 million dollars. This represents 2% of the total cost of Idaho collisions (as shown in Table 4).